

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N21/65 G01J3/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N G01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WATANABE J ET AL: "Fluorescence rejection in Raman spectroscopy by a gated single-photon counting method" REVIEW OF SCIENTIFIC INSTRUMENTS USA, vol. 56, no. 6, June 1985 (1985-06), pages 1195-1198, XP002320133 ISSN: 0034-6748 introduction section I section II, second paragraph figure 1	1-3,6, 8-12,15
X	EP 0 474 264 A (KAMAN AEROSPACE CORPORATION) 11 March 1992 (1992-03-11) column 4, line 34 - column 5, line 29 column 8, line 42 - column 9, line 21 column 10, line 19 - line 54 ----- -/--	1,3,9,15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

10 March 2005

Date of mailing of the international search report

01/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

D'Alessandro, D

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BERNDT K: "Application of gain-modulated avalanche photodiodes in phase-sensitive fluorescence spectroscopy" OPTICS COMMUNICATIONS NETHERLANDS, vol. 56, no. 1, 1 November 1985 (1985-11-01), pages 30-35, XP002320134 ISSN: 0030-4018 section 6 figure 2	1,7,9
X	----- BREGNI A ET AL: "Background plasma light subtraction by delay line techniques for a Thomson scattering apparatus" JOURNAL OF PHYSICS E (SCIENTIFIC INSTRUMENTS) UK, vol. 15, no. 12, 1982, pages 1310-1312, XP002320135 ISSN: 0022-3735 page 1310 figure 1	1,4,5,9, 13-16
X	----- EVERALL N ET AL: "PICOSECOND TIME-RESOLVED RAMAN SPECTROSCOPY OF SOLIDS: CAPABILITIES AND LIMITATIONS FOR FLUORESCENCE REJECTION AND THE INFLUENCE OF DIFFUSE REFLECTANCE" APPLIED SPECTROSCOPY, THE SOCIETY FOR APPLIED SPECTROSCOPY, BALTIMORE, US, vol. 55, no. 12, December 2001 (2001-12), pages 1701-1708, XP001127859 ISSN: 0003-7028 section EXPERIMENTAL	1,9
A	----- US 6 205 354 B1 (GELLERMANN WERNER ET AL) 20 March 2001 (2001-03-20) abstract figures 1-4 column 6, line 32 - column 8, line 10 column 10, line 28 - line 51 -----	1-16

Information on patent family members

International Application No

IB2004/052771

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0474264	A	11-03-1992	US 5257085 A	26-10-1993
			EP 0474264 A2	11-03-1992
			US 5384589 A	24-01-1995
			US 5450125 A	12-09-1995
US 6205354	B1	20-03-2001	AU 3914400 A	09-01-2001
			CA 2371886 A1	28-12-2000
			EP 1196088 A1	17-04-2002
			JP 2003507088 T	25-02-2003
			WO 0078217 A1	28-12-2000